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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4

345 COURTLAND STREET, N.E.  
ATLANTA, GEORGIA 30365

MEMORANDUM

DATE: SEP 29 1995

SUBJECT: Firestone Superfund Site  
Phase Two Remedial Action Completion

FROM: Arthur L. Collins, Chief *Arthur L. Collins 9/29/95*  
Alabama, Georgia, Mississippi Section  
Waste Management Division

TO: Douglas F. Mundrick, Chief  
South Superfund Remedial Branch  
Waste Division

The purpose of this memorandum is to recommend that the South Superfund Branch Chief sign the Remedial Action Report addressing Phase Two at the Firestone site. The Record of Decision (ROD), which was signed on June 24, 1993, required excavation and disposal of PCB-contaminated soils. It also required extraction and treatment of contaminated groundwater, periodic groundwater monitoring and institutional controls on well construction. Due to the complexities of the site, the remedial alternative will be implemented in two phases.

The Phase One Remedial Design/Remedial Action which addresses contaminated groundwater is in the final stages of Remedial Design. This Remedial Action, Phase Two, involved the excavation and disposal of PCB-contaminated soils. The entire cleanup of the soils as described in the June 24, 1993 ROD has been completed.

The Soil Remediation Report submitted to EPA on December 14, 1994 by Law Engineering and Environmental Services on behalf of Bridgestone/Firestone Inc., certifies that on October 18-19, 1994, the soil remediation was executed in accordance with the approved workplan. Verification samples were obtained upon completion of the excavation. Excavated soil was transported to Chemical Waste Management's Emelle, Alabama landfill facility on November 15, 1994. The facility is an EPA Toxic Substances Control Act RCRA Subtitle C approved facility for landfiling.

The State of Georgia has been consulted and concurs on the Phase Two Remedial Action completion. I recommend that you sign they attached Remedial Action Completion Report so that it can be added to the Administrative Record.

If you have any questions, please do not hesitate to contact Charles L. King Jr., RPM, for the Firestone site.

Attachment



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FIRESTONE TIRE & RUBBER  
SUPERFUND SITE

## REMEDIAL ACTION REPORT FOR PHASE TWO OF THE OPERABLE UNIT

SITE NAME AND LOCATION

Firestone Tire & Rubber Superfund Site  
Albany, Dougherty County, Georgia

STATEMENT OF BASIS AND PURPOSE

This Soil Remediation Report summarizes site conditions, excavation and removal activities for the Phase Two Remedial Action at the Firestone Tire and Rubber Site, Albany, Georgia, which was implemented in accordance with CERCLA as amended by SARA, and to the extent practicable, the Nation Oil and Hazardous Substance Pollution Contingency plan (NCP).

The decision to approve the Phase Two Remedial Action is based on the following documents:

- \* Monthly Progress Reports;
- \* Law Engineering and Environmental Services, Inc.'s, Soil Remediation Report dated December 14, 1994, which summarizes the completed work and provides the professional engineer's certification that the Remedial Action was completed in accordance with the Soil Remediation Work Plan.

The state of Georgia has been consulted and concurs on the Agency's decision to approve the completion of the this operable unit of the Remedial Action.

BACKGROUND

The site is located at 3300 Sylvester road, approximately one mile east of the city limit of Albany, Dougherty County, Georgia. The site was initially constructed in 1967 and was used for manufacturing tires as a Firestone Tire & Rubber Company (Firestone) facility from 1968 to 1986. From 1986, the site remained inactive until March 1990, when Cooper Tire purchased the facility and began renovations.

Prior to closing the facility in 1985, Firestone conducted a voluntary assessment of potential contamination at the site. From the assessment activities, two areas were identified for further study. The courtyard area of the site, located in the area between the manufacturing buildings, was the location of underground and aboveground storage tanks, power transformers, road and rail shipping and material handling operations. The burn pit area, located near the east drainage ditch and storm water retention pond, was the location of an anti-oxidant spill 1980.

Following the initial assessment activities, Firestone conducted several voluntary interim remedial activities, including the following:

- \* Removal of underground storage tanks;
- \* Removal of most of the soil contaminated with Polychlorinated biphenyls (PCBs);
- \* Installation and operation of a groundwater extraction and treatment system;
- \* Performing additional groundwater monitoring

The site was proposed by EPA for the CERCLA National Priorities List (NPL) in June of 1988, and was included on the NPL in October 1989. Firestone entered into an Administrative Order by Consent (AOC) with EPA in 1990 to conduct an Remedial Investigation /Feasibility Study (RI/FS).

#### EPA'S SELECTED REMEDIAL ACTION ALTERNATIVE/THE RECORD OF DECISION

After reviewing the results of the RI/FS, EPA issued a Record of Decision for the site on June 24, 1993. The selected remedy included the following components.

- \* Discharge of extracted groundwater after treatment to Local Waste Water Treatment System (Publicly Owned Treatment Works - POTW);
- \* Periodic groundwater monitoring;
- \* Institutional controls on well construction and water use at the site;
- \* Excavation and disposal of PCB-contaminated soils

In March of 1994, Firestone Tire & Rubber entered into a Judicial Consent Decree with EPA and the Department of Justice.

### Description of the Phase 2 Remedial Action

Soil remediation began on October 18, 1994 and was completed on November 15, 1994. The scope of the soil remediation activities included the following:

Soil Removal - Soil was excavated and placed directly into lined rolloff boxes. The rolloff boxes were covered with waterproof tarps.

Verification Sampling - Samples were obtained to verify that soils remaining in place had PCB concentrations below 10 ppm. Two composite samples were obtained from the excavation bottom and a composite sample was obtained from each wall.

Site Restoration - The excavation was backfilled with clean soils obtained from an off-site borrow pit. A sample of the backfill material was obtained and analyzed for PCBs. PCBs were not detected in the backfill material. The area was reseeded and straw was placed over the area to establish vegetative cover for erosion control.

Excavated soil was transported to Chemical Waste Management's Emelle, Alabama landfill facility on November 15, 1994. The facility is an EPA Toxic Substances Control Act (TSCA) RCRA Subtitle C approved facility for landfilling.

Pre-final and final inspections were conducted by EPA on October 19, 1994 and November 15, 1994, respectively. Based on the CLP analytical results, soils with PCB concentrations above the performance standard of 10 ppm, were removed from the area of concern. The objectives and requirements of the Soil Remediation Work Plan have been satisfied and no further soil remediation is required. No operation and maintenance is required for this Phase of the Remedial Action.

### FORTHCOMING REMEDIAL ACTION

Phase One, which is currently at the 90% design stage, addresses groundwater contamination in the courtyard area of the Firestone Tire & Rubber Site. In accordance with the ROD dated June 24, 1993 and the SOW, a groundwater extraction and treatment system is being designed to collect groundwater from the impacted area and to provide the necessary treatment for discharge to the City of Albany Publicly Owned Treatment Works. The Remedial Action Activities that will address the contaminated groundwater at the site are currently planned to be constructed and in operation by early 1996.

**DECLARATION**

The EPA and the State of Georgia upon receipt of the Soil Remediation Report with the PE Certification, concur that the Phase Two Remedial Action of contaminated soils as described in the report, for the Phase Two Remedial Action at the Firestone Tire and Rubber Site, Albany, Georgia, is complete.

Date

9/29/95

  
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Douglas F. Mundrick  
Chief, South Superfund Branch

Firestone Phase Two RA Completion Report 9/28/95  
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